

Claims

1. A filler for a ladle tap hole valve, characterized by comprising a sand and a feldspar to be externally added and mixed together so that the total
5 quantity of alkalis in the filler is 0.3 to 1.5 mass %, the feldspar having a particle size distribution of 0.3 to 1.7 mm, the sand being composed of 40 to 100 mass % of silica sand having a particle size distribution of 0.3 to 1.7 mm and 60 to 0 mass % of chromite sand having a particle size distribution of 0.1 to 0.85 mm.
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2. The filler for a ladle tap hole valve of claim 1, wherein the silica sand has a particle shape coefficient of 1.4 or less.
3. The filler for a ladle tap hole valve of claim 1, wherein at least one of
15 the silica sand, the chromite sand and the feldspar has a surface statically coated with 0.3 to 1.0 mass % of externally added carbon black.
4. The filler for a ladle tap hole valve of claim 1, wherein the feldspar is potassium feldspar.
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5. The filler for a ladle tap hole valve of claim 1, wherein the silica sand contains 95 mass % or more of SiO_2 .
6. The filler for a ladle tap hole valve of claim 1, wherein the chromite
25 sand contains 95 mass % or more of sand having a particle size distribution of 0.15 to 0.85 mm and 65 mass % or more of sand having a particle size distribution of 0.212 to 0.425 mm, and the silica sand is composed of 100 mass % of sand having a particle size distribution of 0.425 to 1.18 mm.

7. The filler for a ladle tap hole valve of claim 1, wherein the chromite sand contains 5 mass % or less of sand having a particle size distribution of less than 0.15 mm.